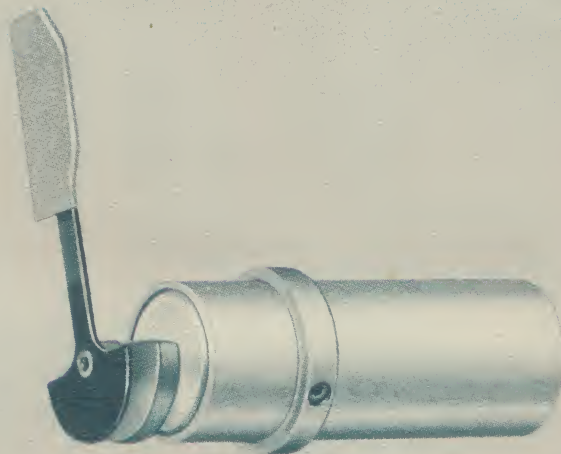


Flag Indicator



Model 005-911-5

Factory Stocked. For information display Movement flags attention
Same type as used in OAO (Orbiting Astronomical Observatory)
Built-in life and reliability obtained from precision one-piece construction, magnetic detenting, jeweled bearings, and balanced rotors.

Description

Movement attracts attention more compellingly than a light, your message comes through. Model 005-911-5 is shipped unfinished, the colors and text can thus be fitted to your specific needs.

Housings are machined from a single piece of high strength aluminum alloy. This eliminates the need for miniature snap rings, thereby providing high thrust capability, yet with low weight.

Balanced rotors and jeweled bearings contribute to reliability.

Power input of 500 mW energizes the unit, magnetic detenting returns the flag to its de-energized position. Power drain is consequently minimal in normal operation.

Magnetic detenting eliminates the need for return springs which contributes to life, stability, and resistance to shock.

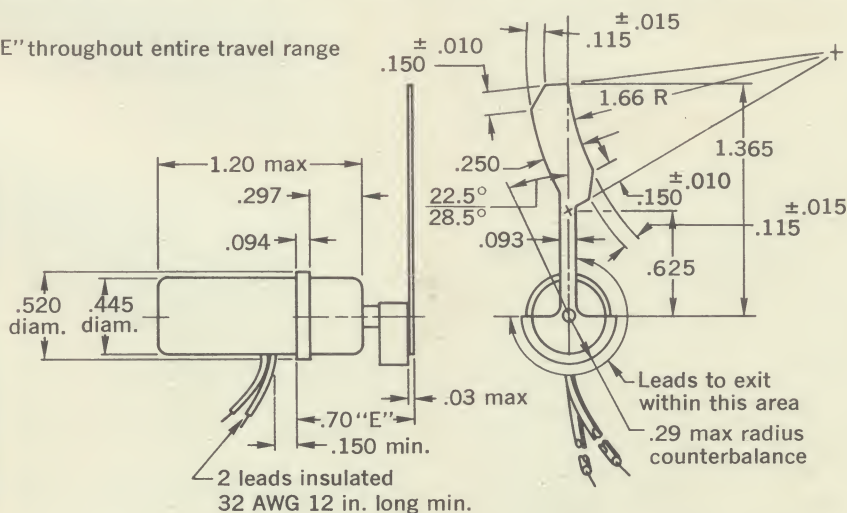
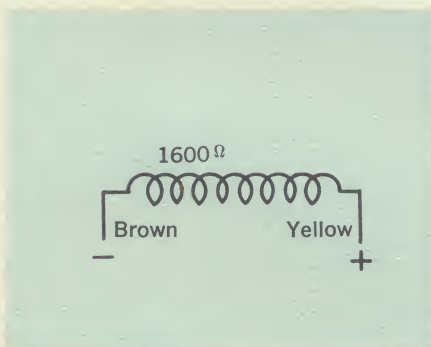
Specifications

Input voltage	VDC	28
Input power	mW	500 max
DC resistance	ohms	1600
Output (travel)	degrees CCW	22.5 to 28.5

Dimensions

Flag and stem remain within dimension "E" throughout entire travel range and all altitudes.

Flag is shown in de-energized position.



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Magnetics Corp.

6058 Walker Ave., Maywood, Calif. 90270
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Cable: Magnatop W 602

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Indicators

Flag indicators

Human factors men say that the movement of our flag attracts attention better than lights. We should add that their construction — jeweled bearings, balanced rotors, magnetic detenting — make them the best available. Also message indicators.

Remote Angle Indicators

A complete package. Low cost and ready to plug into your system. Quick goniometry.

Measurement

Synchros

Wide range of Buweps and other types available off the shelf. These are low cost, quality proven units, manufactured to appropriate mil specs.

Resolvers

Light weight, field-proven units available off the shelf at very reasonable prices. 30, 250, and 400 Hz.

Control

Step Servo Components

IMC leads the field. No newcomer to step servo components, we've invested time and money to earn this rank. From Size 5 to 23, Permanent Magnet and Variable Reluctance types, rates up to 1200 pulses per sec. Auxiliary electronic packages to drive and control stepper motors.

Solenoids

A catalog of stock solenoids, available off the shelf. From subminiature to pound-pusher sizes. Response in the low millisec region. Operate in high temperature, cryogenic, radioactive and other harsh environments.

and engineered subsystems that perform several functions, for example, a digital to shaft-angle converter and a high speed pulse counter. We can build such subsystems to your specifications. Also pulse generators.

For quick service, contact Western Division's Application Section or your nearest sales representative.

If you need data sheets for reference or consideration for future projects, write IMC's Marketing Division at 570 Main Street, Westbury, New York 11591.



Flag Indicator



Model 005-931-1

**Dependable, attention getting performance. Low power consumption.
Magnetic detent action. Sturdy one-piece construction.**

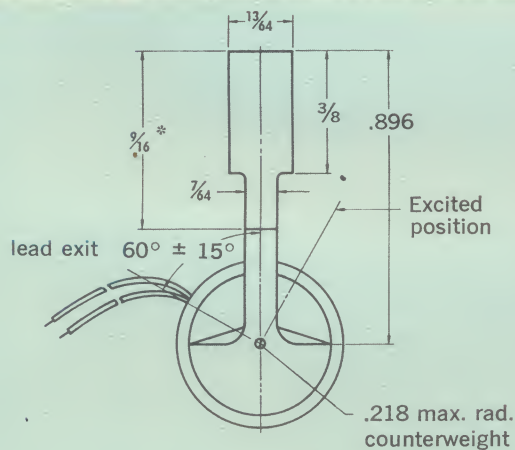
Description

For information display, space and avionics requirements. Model 005-931-1 delivers your message through compelling, precision flag movement while operating on only 0.5 Watt power input.

Designed to meet applicable sections of MIL-E-5400, this units' compact one-piece housing is machined from high strength aluminum alloy for great stability and light weight. High thrust capability is provided since one-piece construction eliminates the need for miniature snap rings.

Balanced rotors and jeweled bearings contribute to reliability, while the indicators' magnetic detent action eliminates the use of return springs with associated spring instability and vibration problems.

Dimensions

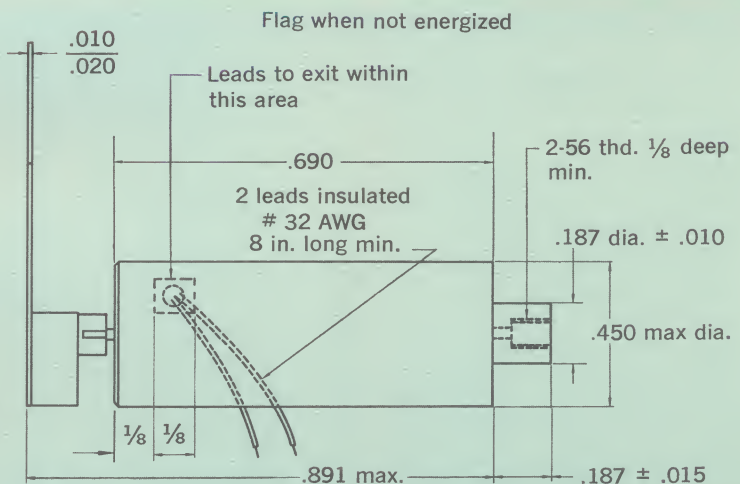
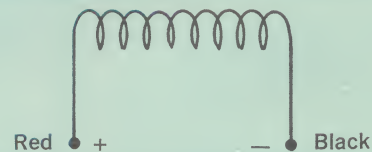


*This surface is painted dull black.

Specifications

Input voltage	VDC	28
Input power	Watts	0.5
Output (travel)	degrees CW	30 ± 5
Torque, holding	gm-cm	0.50
Torque, detent	gm-cm	0.50
Operating temp.	degrees C	-54 to + 125
Weight	grams	10

Connection diagram



For more information, contact IMC's Applications Section or your local IMC Representative:

Western Division



Magnetics Corp.

6058 Walker Ave., Maywood, Calif. 90270
Phone 213-583-4785 TWX 910-321-3089
Cable: Magnatop W6167

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Indicators

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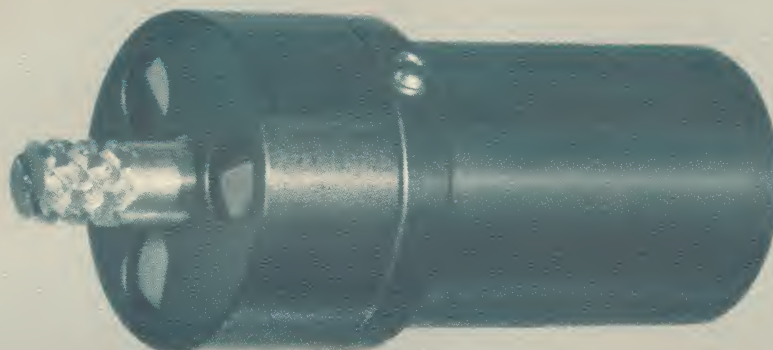
and engineered subsystems that perform several functions, for example, a digital to shaft-angle converter and a high speed pulse counter. We can build such subsystems to your specifications. Also pulse generators.

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Control Panel Indicator



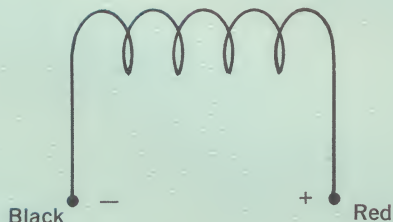
Model 005-929-1

**Miniature visual signaling device
Sturdy one-piece construction
Magnetic detenting. Precision balanced rotor**

Description

For installation in compact instrument and control panels, Model 005-929-1 fits in a half-inch hole and requires less than an inch of depth. Upon application of a 28VDC signal, the indicator provides redundant visual signalling by both movement and color change. When the signal ceases, the unit must be manually reset . . . alarm conditions cannot be inadvertently ignored. Once it has been placed in the off position by the operator, magnetic detenting retains the indicator in the off position. Power consumption is thus minimal, 0.25 Watts being required only while the indicator is being energized. Stability and light weight result from machining the housing from a single piece of high strength aluminum. The precision balanced rotor offers reliable operation under shock and vibration conditions. Magnetic detenting also contributes to life, stability and resistance to shock by eliminating the need for return springs.

Connection diagram

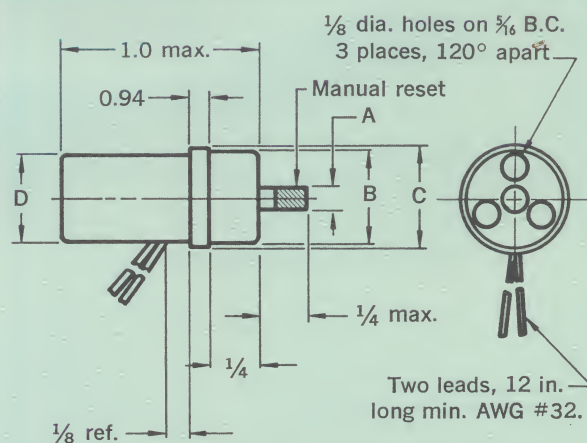


* Application of 28 VDC will result in 60° max. CW rotation of the rotor, changing the color of the areas under 3 holes from black to red-orange.

Specifications

Input voltage	VDC	28
Input power	Watts	0.25
Temp. range	degrees C	-55 to +85
Weight	grams	18
Output (travel)*	degrees CW	60

Dimensions



Diam.	Dimensions	+Tol.	-Tol.
A	0.125	0.005	0.005
B	0.490	0.005	0.005
C	0.520	0.005	0.005
D	0.445	0.005	0.005

For more information, contact IMC's Applications Section or your local IMC Representative:

Western Division

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Cable: Magnatop W6166

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